Outline: Chapter 8 Part 1 “Quest” Heart

28 points – Diagram, Fill in the Blank, Multiple Choice, Matching, Short Essay

Heart Location

Layers of the Heart

* Pericardium
  + Fibrous and Serous
    - Parietal and Visceral
      * Epicardium, Myocardium, Endocardium

4 Chambers

* Atrium vs. Ventricles

Heart Septa

**Homeostatic Imbalances:**

Myocardial Infarction

Heart Block

Ischemia

Fibrillation

Tachycardia

Bradycardia

* Interventricular vs. Interatrial

Circulation -**DETAILED**

* Pulmonary vs. Systemic

4 Valves – **Specific**

* Atrioventricular vs. Semilunar
* Operation of valves (when are they open/closed?)

Functional Blood Supply of the Heart

* Coronary Arteries, Cardiac Veins, Coronary Sinuses

Major Arteries and Veins

* Aorta, Pulmonary Trunk
* Pulmonary Veins, Superior and Inferior Venae Cavae

Intrinsic Conduction System – **DETAILED**

* SA Node, AV Node, AV Bundles, Bundle Branches, Purkinje Fibers

Cardiac Cycle – **DETAILED**

* Mid to Late Diastole, Ventricular Systole, Early Diastole

Cardiac Output, Stroke Volume, Heart Rate, Starling’s Law of the Heart

Factors that can Increase and Decrease Heart Rate